Title (en)

Device for avoiding capsizing of catamarans.

Title (de)

Gerät zur Vermeidung des Kenterns eines Katamarans.

Title (fr)

Dispositif pour éviter de faire chavirer un catamaran.

Publication

EP 0283595 A1 19880928 (EN)

Application

EP 87201232 A 19870626

Priority

IT 6723487 A 19870327

Abstract (en)

The mast (3) of a catamaran (1) is pivotally mounted at (5) on the transverse beam (7) of connection between two hulls (9) and kept in position by two shrouds (15) which, starting from the top (17) of the mast (3) and winding around tensioning pulleys (19) and positioning pulleys (21), are connected to the movable point (12) of a piston device (11). Said piston device is of the oleodynamic-mechanical type: in general, it is constituted by a piston head (37) kept in position in the cylinder (31) by elastic means (33) and in turn constituted by two parts (35), (39) connected to each other by a calibrated helical spring (43); provided outwardly of the cylinder (31) is a pipe (45) with a pump and unidirectional valves (55) and (57) for the oil. When the load on the mast (3) exceeds the value of calibration of the spring (43), the piston head (37) opens to uncover apertures (61) for the passage of the oil which in this manner circulates and permits shifting of the piston head (37) in the cylinder (31). Obviously the mast (3) will only bend if the wind acting on the sail exceeds said calibration or safety value.

IPC 1-7

B63B 15/02

IPC 8 full level

B63B 15/02 (2006.01); **B63B 43/02** (2006.01); **B63H 9/04** (2006.01)

CPC (source: EP US)

B63B 15/02 (2013.01 - EP US); B63B 2015/0058 (2013.01 - EP US)

Citation (search report)

- [A] WO 8700812 A1 19870212 - CHRISTENSEN JAN ARHUR [NO]
- [A] FR 2346210 A1 19771028 - KELLY HARTLEIGH [AU]

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Designated contracting state (EPC)

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EP 0283595 A1 19880928; IT 1217147 B 19900314; IT 8767234 A0 19870327; JP S63242796 A 19881007; US 4785754 A 19881122

DOCDB simple family (application)

EP 87201232 A 19870626; IT 6723487 A 19870327; JP 17402487 A 19870714; US 6686787 A 19870625